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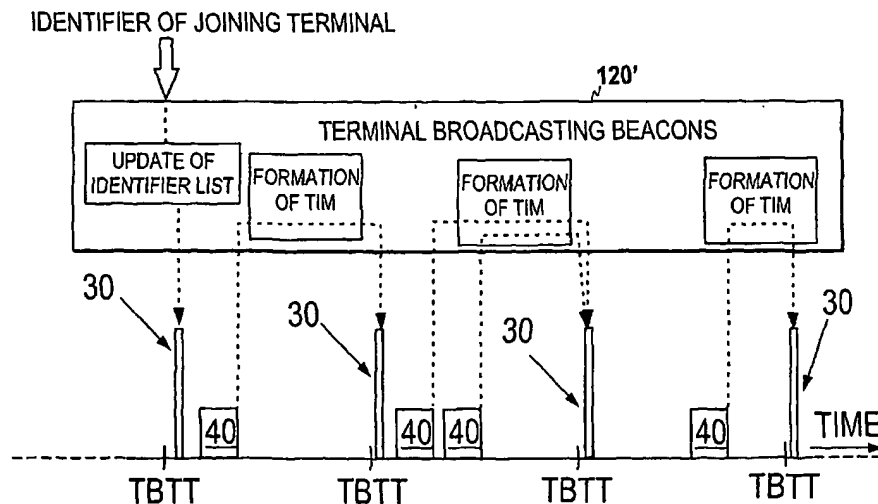
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[Continued on next page]

(54) Title: **BEACON TRANSMISSION IN SHORT-RANGE WIRELESS COMMUNICATION SYSTEMS**



(57) Abstract: The invention relates to a method for broadcasting beacon frames in a short-range wireless ad-hoc network including a plurality of wireless terminals. In order to improve the efficiency of the ad-hoc network in terms of power consumption, the terminal that defines the beacon interval for the network starts as a beacon broadcaster and introduces an identifier list in at least some of the beacon frames broadcast in the network. The identifier list, which includes identifiers of the wireless terminals belonging to the network, is utilized if another wireless terminal is to be selected as the beacon broadcaster.

**Declarations under Rule 4.17:**

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU,

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